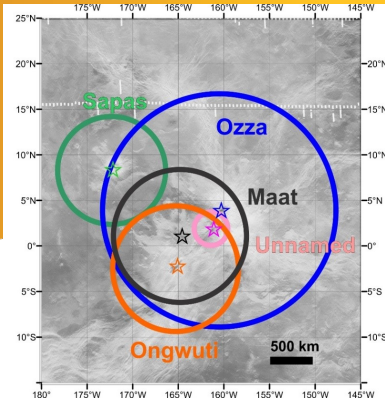
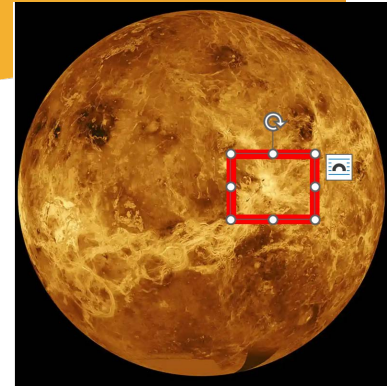


Physics & Astronomy Colloquium

Friday; March 24, 2023
4:00 pm MT

Physical Science Bldg., Room 234



Atla Regio Superplume On Venus (The Exoplanet In Our Backyard)



Dr Hafida El Bilali is a Research Associate and Sessional Lecturer at Carleton University, Canada. She is the co-leader of the International Venus Research Group (IVRG) and the Vice President of Large Igneous Provinces (LIPs) Commission

Abstract: Atla Regio, Venus, is interpreted as a major mantle plume centre. Our novel approach uses graben-fissure lineaments, interpreted as the surface expression of dykes to address whether Atla Regio is at plume head or plume tail stage. We recently discovered a nearly 4000 km long dyke in this region, the longest continuously traced dyke in the Solar System.

